

This listing of claims will replace all prior versions, and listings, of claims in the application:

**The Status of the Claims**

1. (Original) A method comprising:  
identifying a bus transaction request with a virtual machine monitor; and  
storing a record associated with the bus transaction request in a virtual  
machine.
2. (Original) A method as defined in claim 1, further comprising performing a  
bus transaction in response to the bus transaction request.
3. (Original) A method as defined in claim 2, wherein storing the record  
associated with the bus transaction request in the virtual machine comprises storing the  
record associated with the bus transaction in a transaction profiler.
4. (Original) A method as defined in claim 1, further comprising:  
receiving the bus transaction request at the virtual machine; and  
generating a time stamp at the virtual machine.
5. (Original) A method as defined in claim 1, further comprising:  
inserting the bus transaction request on a bus; and  
receiving a bus transaction response on the bus at the virtual machine.
6. (Original) A method as defined in claim 1, further comprising:  
generating a time stamp at the virtual machine; and  
transmitting a bus transaction response from the virtual machine to the virtual  
machine monitor.

7. (Original) A method as defined in claim 1, wherein the record comprises at least one of a time stamp, the bus transaction request, a bus transaction response, and historical data.
8. (Original) A method as defined in claim 1, further comprising writing data to a bus via the virtual machine.
9. (Original) A method as defined in claim 1, further comprising reading data from a bus via the virtual machine.
10. (Original) A method as defined in claim 1, further comprising:  
identifying a start trap request with the virtual machine monitor; and  
generating a time stamp in response to the start trap request.
11. (Original) A method as defined in claim 1, further comprising:  
identifying a stop trap request with the virtual machine monitor; and  
generating a time stamp in response to the stop trap request.
12. (Original) A method as defined in claim 1, further comprising:  
identifying an extract data request with the virtual machine;  
receiving data on a bus; and  
transmitting the data via the virtual machine in response to the extract data request.
13. (Original) A method as defined in claim 1, wherein the bus transaction request is received from a second virtual machine.

14. (Currently Amended) An apparatus comprising:

~~a memory; and~~

~~a processor coupled to the memory and configured to; and~~

~~a memory coupled to the processor, the memory comprising instructions~~

which when executed by the processor are configured to:

identify a bus transaction request with a virtual machine monitor; and

store a record associated with the bus transaction request in a virtual machine.

15. (Currently Amended) An apparatus as defined in claim 14, wherein the ~~processor is in instructions are~~ configured to perform a bus transaction in response to the bus transaction request.

16. (Currently Amended) An apparatus as defined in claim 15, wherein the ~~processor is in instructions are~~ configured to store the record associated with the bus transaction request in the virtual machine by storing the record associated with the bus transaction in a transaction profiler.

17. (Currently Amended) An apparatus as defined in claim 14, wherein the ~~processor is in instructions are~~ configured to:

receive the bus transaction request at the virtual machine; and

generate a time stamp at the virtual machine.

18. (Currently Amended) An apparatus as defined in claim 14, wherein the ~~processor is in instructions are~~ configured to:

insert the bus transaction request on a bus; and

receive a bus transaction response on the bus at the virtual machine.

19. (Currently Amended) An apparatus as defined in claim 14, wherein the processor is configured to:
  - generate a time stamp at the virtual machine; and
  - transmit a bus transaction response from the virtual machine to the virtual machine monitor.
20. (Original) An apparatus as defined in claim 14, wherein the record comprises at least one of a time stamp, the bus transaction request, a bus transaction response, and historical data.
21. (Currently Amended) An apparatus as defined in claim 14, wherein the processor is configured to write data to a bus via the virtual machine.
22. (Currently Amended) An apparatus as defined in claim 14, wherein the processor is configured to read data from a bus via the virtual machine.
23. (Currently Amended) An apparatus as defined in claim 14, wherein the processor is configured to:
  - identify a start trap request with the virtual machine monitor; and
  - generate a time stamp in response to the start trap request.
24. (Currently Amended) An apparatus as defined in claim 14, wherein the processor is configured to:
  - identify a stop trap request with the virtual machine monitor; and
  - generate a time stamp in response to the stop trap request.

25. (Currently Amended) An apparatus as defined in claim 14, wherein the processor is in instructions are configured to:

identify an extract data request with the virtual machine;  
receive data on a bus; and  
transmit the data via the virtual machine in response to the extract data request.

26. (Currently Amended) An apparatus as defined in claim 14, wherein the processor is in instructions are configured to receive the bus transaction request from a second virtual machine.

27. (Currently Amended) An apparatus comprising:  
a transaction profiler;  
a virtual machine; ~~and~~  
a memory associated with the virtual machine; and  
a virtual machine monitor communicatively coupled to the transaction profiler and configured to:

identify a bus transaction request with the virtual machine monitor; and  
store a record associated with the bus transaction request in the memory associated with the virtual machine.

28. (Original) An apparatus as defined in claim 27, wherein the transaction profiler is configured to:

generate a time stamp; and  
transmit a bus transaction response to the virtual machine monitor.

29. (Original) A machine accessible medium having instructions stored thereon that, when executed, cause a machine to:

identify a bus transaction request with a virtual machine monitor; and  
store a record associated with the bus transaction request in a virtual machine.

30. (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to perform a bus transaction in response to the bus transaction request.

31. (Original) A machine accessible medium as defined in claim 30, having instructions stored thereon that, when executed, cause the machine to store the record associated with the bus transaction request in the virtual machine by storing the record associated with the bus transaction in a transaction profiler.

32. (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to:

receive the bus transaction request at the virtual machine; and  
generate a time stamp at the virtual machine.

33. (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to:

insert the bus transaction request on a bus; and  
receive a bus transaction response on the bus at the virtual machine.

34. (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to:

generate a time stamp at the virtual machine; and

transmit a bus transaction response from the virtual machine to the virtual machine monitor.

35. (Original) A machine accessible medium as defined in claim 29, wherein the record comprises at least one of a time stamp, the bus transaction request, a bus transaction response, and historical data.

36. (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to write data to a bus via the virtual machine.

37. (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to read data from a bus via the virtual machine.

38. (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to:

identify a start trap request with the virtual machine monitor; and

generate a time stamp in response to the start trap request.

39. (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to:

identify a stop trap request with the virtual machine monitor; and

generate a time stamp in response to the stop trap request.

40. (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to:

identify an extract data request with the virtual machine;  
receive data on a bus; and  
transmit the data via the virtual machine in response to the extract data request.

41. (Original) A machine accessible medium as defined in claim 29, having instructions stored thereon that, when executed, cause the machine to receive the bus transaction request from a second virtual machine.